

**CONTRACT NO. 09-209-500350  
TIMBER SALE PREPARATION CONTRACT**

**PROJECT DESCRIPTION**

**SUPERVISORY AREA:** Payette Lakes

**PROJECT NUMBER:** 50-350-500-09

**PROJECT NAME:** Beaverhole Mark

**PROJECT ACREAGE:** 435

**LOCATION:** This project is located approximately 4.5 miles northeast of Cascade, Idaho.

**LEGAL DESCRIPTION:**

| <u>Unit</u>  | <u>Subdivision</u>            | <u>Section</u> | <u>Township</u> | <u>Range</u> | <u>Approximate Acres</u> |
|--------------|-------------------------------|----------------|-----------------|--------------|--------------------------|
| 1            | Pts. SWNE, Pts. NW, Pts. N2SW | 34             | 15N             | 4E           | 211                      |
|              | Pts. SESW, Pts. SE            | 34             | 15N             | 4E           |                          |
|              | Pts. Lot 2, Pts. Lot 3        | 3              | 14N             | 4E           |                          |
| 2            | Pts. S2NW, Pts. SW, Pts. W2SE | 3              | 14N             | 4E           | 224                      |
|              | Pts. S2SE                     | 4              | 14N             | 4E           |                          |
|              | Pts. NE, Pts. E2NW            | 9              | 14N             | 4E           |                          |
|              | Pts. NWNW                     | 10             | 14N             | 4E           |                          |
| Total Acres: |                               |                |                 |              | 435                      |

**CONTRACT WORK TO BE PERFORMED:**

Mark reserve trees within the contract area with orange paint according to the standards set forth in this Project Description and the master contract. The contract units are designated with three blue painted slashes or pink and black flagging on the outside of the unit. No paint or flagging will denote boundaries that are defined by roads. **The Contractor will supply all paint, including black paint to correct mistakes.**

**CONTRACT PERIOD:**

Contract work may commence once the Contractor has received a signed copy of the contract and has had a prework conference with the Contract Supervisor. All field work must be completed by November 1, 2009. The contract will terminate December 1, 2009.

**PAYMENT:**

Payment shall be made upon the satisfactory completion of each unit as per the Master Contract and this Project Description. Payments will be made at the rate set forth in Schedule A attached hereto.

**TECHNICAL SPECIFICATIONS, INSPECTION AND ACCEPTANCE:**

**A. Timber Marking:**

**1. Stand Description**

- a. Stand composition is highly variable within the units. Diameters range from sub-merchantable to 42" with an average of approximately 15". Current basal area is approximately 100 ft<sup>2</sup>. Ponderosa pine, Douglas-fir, grand fir, lodgepole pine, Engelmann spruce, western larch, and subalpine fir occur. Habitat types are mostly of dry grand fir types.

- b. Indian paint fungus and other heart rots occur over much of the area due to the large average diameter and older age of the stand. Douglas-fir mistletoe occurs in isolated areas. Other common insects and diseases are at endemic levels.
- c. Much of the area was selectively logged in the 1920's. Some of it was logged again in the late 1960's. Old fire scars and charred wood indicate possible wildfires. The ground is broken up by many rocky ridges with steep side slopes. Soils are derived from weathered granite.

2. Objectives:

- a. Harvest the diseased, insect infested, defective, overmature and surplus merchantable trees to increase the growth of the residual stand and promote natural regeneration of desirable species (PP, DF, WL, and ES).
- b. Reserve trees as needed to provide site protection for existing or expected regeneration on south and west aspects.
- c. Maintain 75% of shade over Class I streams, maintain water quality and wildlife habitat.

3. Silvicultural Prescription:

The silvicultural system will vary dependent upon aspect, stand composition (including merchantable and submerchantable trees) and habitat type. Often more than one silvicultural prescription will be utilized on any one acre due to the variability of the stand. In general 60 – 80 percent of the trees/acre will be cut leaving, on average, 20 – 60 ft<sup>2</sup> of merchantable (>8" dbh) basal area.

Understory or submerchantable refers to trees < 8 inches dbh.

- a. Overstory Removal:  
Where a healthy understory exists that is appropriate to the habitat type (predominantly dry grand fir) and sufficient in number to meet FPA minimum stocking levels, remove the overstory.
- b. Seed Tree:  
Where the understory is unhealthy, is not appropriate to the habitat type (predominantly dry grand fir) or does not meet FPA minimum stocking levels reserve approximately 20 – 40 ft<sup>2</sup> of basal area.
- c. Commercial Thin:  
Where a multi-storied stand occurs, reserve seed trees and small merchantable trees (approximately 8" – 11" dbh) to promote natural regeneration, additional volume growth and maintain a basal area of approximately 40 – 60 ft<sup>2</sup>.
- d. Individual Tree Selection:  
On south and west slopes where trees are widely spaced, reserve trees to protect the site, maintain FPA minimum stocking levels and promote natural regeneration. Along Class I (Beaver Creek) and Class II streams and wet areas reserve additional trees to maintain FPA stream protection zones, maintain shade and reduce stream bank disturbance.
- e. Wildlife Trees:  
When available reserve large (>=24" dbh) ponderosa pine trees with ≥ 70% defect for nesting sites. Reserve all trees with nests, cavities or dens as determined by the forester-in-charge. Trees reserved for wildlife will be marked with an orange "W" in addition to a band of orange paint and a butt mark.

4. Selection of Leave Trees:

Reserve trees should not have forks, stem defects, crooks, butt wounds, excessive taper, lean, sweep and large limbs unless otherwise directed by the forester-in-charge. They should be dominant or codominant with good form and vigor. Reserve species preference in descending order is: PP, WL, DF, ES and LP.

Dwarf mistletoe is present in Douglas-fir, western larch and ponderosa pine. Do not leave trees with a Hawksworth Dwarf Mistletoe rating greater than 2. The point system used to establish this rating is attached.

B. Inspection:

Inspection shall be done using a 20 BAF variable plot. The number of trees per plot will vary depending on the stand conditions, but overall the unit shall meet reserve basal area per acre specifications as determined by the State. A sample inspection form and error table can be found in Exhibit D.

C. Acceptance:

Acceptance of marking will be based on a minimum of 75 check plots (i.e. 1 plot / 6 acres). Plots will be installed and evaluated using a systematic grid. Marking in each unit will be accepted when the percent satisfactory work as described in the master contract is 90% or greater.

**INFORMATION:**

Further information is available by contacting:

Idaho Department of Lands  
Payette Lakes Supervisory Area  
555 Deinhard Lane  
McCall, ID 83638  
Phone: (208) 634-7125  
Fax: (208) 634-5117

### Dwarf Mistletoe Control Specifications

Dwarf mistletoe infected tress will be rated by the following point system. Leave trees will be rated 2 or less, unless otherwise specified by the forester-in-charge.

### The Six-Class Dwarf Mistletoe Rating System

#### INSTRUCTIONS:

Step 1 - Divide the live crown into thirds.

Step 2 - Rate each third separately.

Each third should be given a rating of 0, 1, or 2 as described below:

0. No visible infections.
1. Light infections ( $\frac{1}{2}$  or less of total number of branches in the third infected).
2. Heavy infection (more than  $\frac{1}{2}$  total of branches in the third infected).

Step 3 - Add rating of the thirds to obtain  
A rating for the total tree.

Step 4 - Stand values may be obtained by  
averaging individual tree ratings.

#### EXAMPLE:

If this third has no visible infections, its rating is 0.

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If this third is lightly infected, its rating is 1.

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If this third is heavily infected, its rating is 2.



The tree in this example will receive a rating of:  $0+1+2=3$ .

Contract # 09-209-500350  
Beaverhole Vicinity  
Project # 50-350-500-09

T 15N - R 3E

T 15N - R 4E

T 14N - R 3E

T 14N - R 4E

Cascade

Legend

Roads

- Paved
- Gravel
- Improved
- Unimproved



Marking Units

- township/range lines
- State Ownership
- Sections

N

4000 0 4000 8000 Feet

BB 2/09

Contract # 09-209-500350  
Beaverhole Marking  
Project # 50-350-500-09

Legend



Marking Units



State Ownership

Roads



Sections



Improved



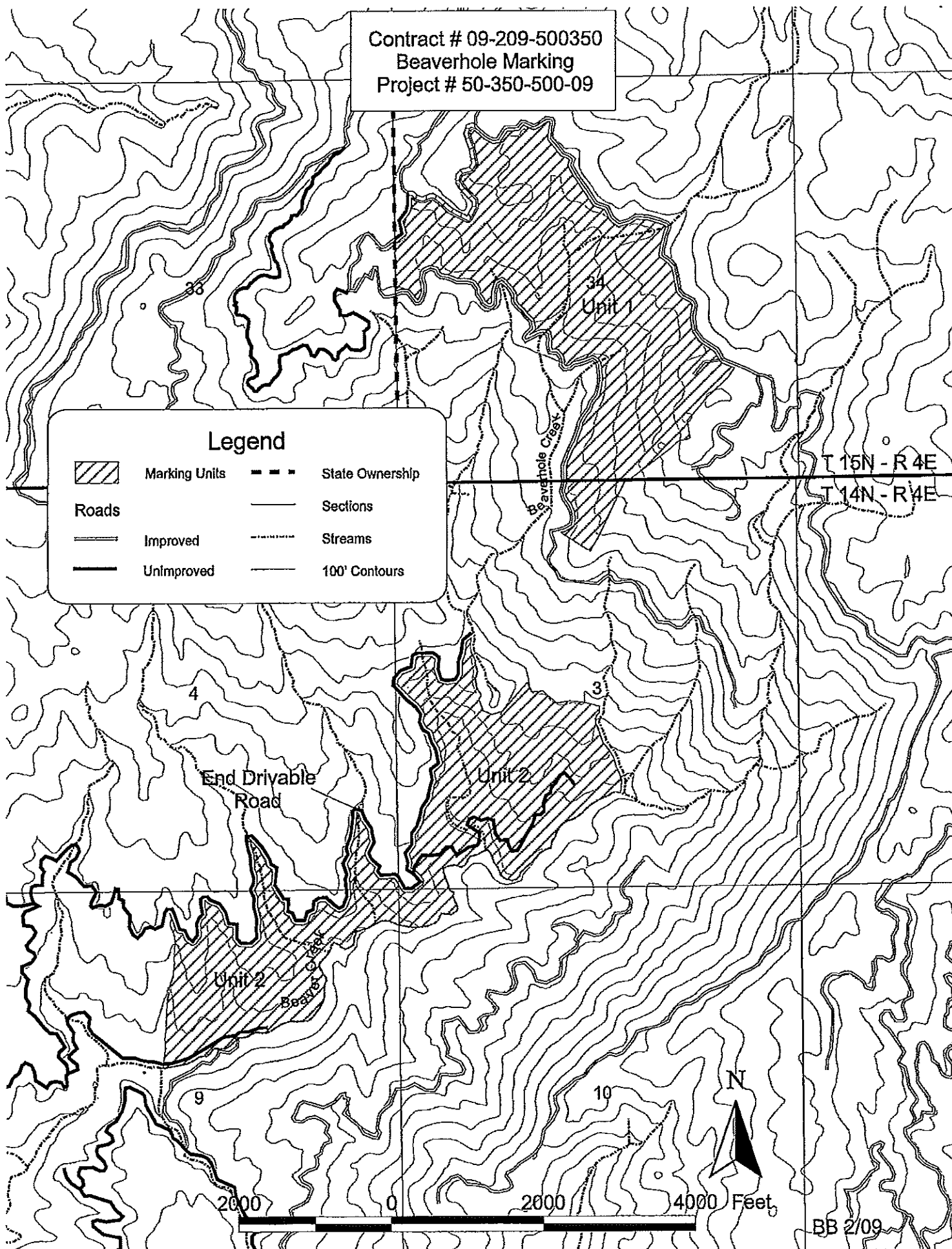
Streams



Unimproved



100' Contours



BB 2/09